## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 13 October 2005 (13.10.2005)

**PCT** 

(10) International Publication Number WO 2005/096472 A1

(51) International Patent Classification?: B62D 3/06, 3/08, F16H 25/22, 25/24

H02K 7/06,

(21) International Application Number:

PCT/SE2004/000500

International Filing Date: 31 March 2004 (31.03.2004)

(25) Filing Language:

(26) Publication Language:

English

(71) Applicant (for all designated States except US): DANAHER MOTION STOCKHOLM AB [SE/SE]; Solkraftsvägen 13, S-135 70 Stockholm (SE).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): TAUBE, Peter [SE/US]; 708 Duncan Ave # 1120, Pittsburg, PA 15237 (US). TRAGO, Bradley, A. [US/US]; 922 Cerasus Drive, Rockford, IL 61108 (US). BECKER, Wolfgand [DE/DE]; Mozartstrasse 50, 71111 Waldenbuch (DE). VAN ZEE, Dennis [US/US]; 11370 Pecatonica Rd., Durand, IL 61024 (US). REUGER, Ulrich [DE/DE]; Robert-Koch-Str. 40, 73730 Esslingen-Zell (DE).
- (74) Agent: STRÖM & GULLIKSSON IP AB; Lindholmspiren 5, S-417 56 Göteborg (SE).

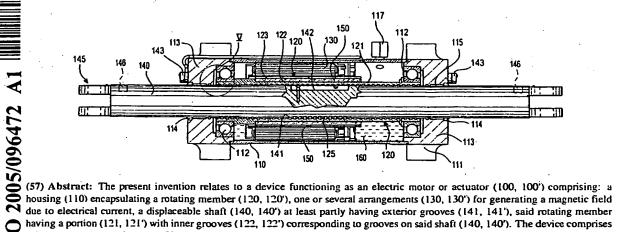
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, TD, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG. PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS. MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTRIC ACTUATOR



having a portion (121, 121') with inner grooves (122, 122') corresponding to grooves on said shaft (140, 140'). The device comprises at least one magnetic element (150, 150') arranged on an outer surface of said rotating member (120, 120') substantially perpendicular to extension direction of said grooves (122, 122') for interaction with said arrangement (130, 130') and rotating said rotating member.